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Attorney Docket Number 9529-
008-999

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Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Costas N. Karatzas and Carl Turcotte

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: September 20, 2004

2. Name and address of receiving party(ies):

Name: Nexia Biotechnologies, Inc.

Address: 1000 Avenue St. Charles, Block B
Vaudreuil-Dorion, Quebec J7V 8P5

Country (if other than USA):
Canada

Zip Code:

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/501,183

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

JONES DAY
222 East 41st Street
New York, New York 10017

6. Number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00
Please charge to the deposit account listed in Section 8.

8. Deposit account number:

50-3013

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Roger C. Rich
For: Nikolaos C. George (Reg. No. 39,201) 54,398
Name of Person Signing Reg. No.

Roger C. Rich
Signature

October 7, 2004
Date

Total number of pages including cover sheet:

3

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ASSIGNMENT

WHEREAS, WE, Costas N. Karatzas and Carl Turcotte, ASSIGNORS, citizens of Greece and Canada, respectively, residing at Quebec, Canada, are the inventors of the invention in METHODS OF PRODUCING SILK POLYPEPTIDES AND PRODUCTS THEREOF for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
☒ which is identified by Jones Day docket no. 9529-008-999
☒ which was filed on July 9, 2004, and assigned U.S. Serial No. 10/501,183
☐ We hereby authorize and request our attorney, , of Jones Day, , to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, Nexia Biotechnologies Inc., ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

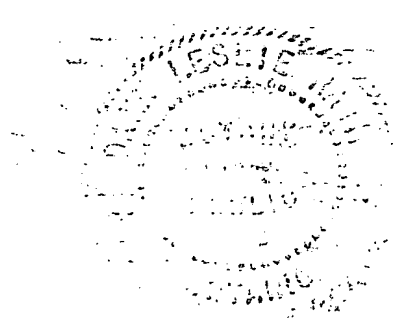
Date September 20th, 2004 [Signature] L.S.
 Date September 20th, 2004 [Signature] L.S.

Province of Quebec
) SS.:
 Country of Canada)

On Sept 20, 2004, before me, DANA C. RATH, Notary Public, personally appeared Costas N. Karatzas, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

[Signature]



Province of Quebec,
Country of Canada) SS.:
)

On Sept 20, 2004, before me, DANA C. RATH Notary Public, personally appeared Carl Turcotte, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Dana C. Rath



10/501183



DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION*

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS OF PRODUCING SILK POLYPEPTIDES AND PRODUCTS THEREOF

and for which a patent application:

- ☐ is attached hereto and includes amendment(s) filed on (if applicable)
was filed in the United States on as Application No. To be assigned (for declaration not accompanying application)
- ☐ with amendment(s) filed on (if applicable)
- ☒ was filed as PCT international Application No. PCT/IB03/00346 on January 13, 2003.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION				
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
			YES <input type="checkbox"/>	NO <input type="checkbox"/>
			YES <input type="checkbox"/>	NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

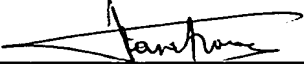

PROVISIONAL APPLICATION NUMBER	FILING DATE
60/347,509	January 11, 2002

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

*
for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME Karatzas	FIRST NAME Costas	MIDDLE NAME N.	
	RESIDENCE & CITIZENSHIP	CITY Beaconsfield	STATE OR FOREIGN COUNTRY Canada	COUNTRY OF CITIZENSHIP Greece	
	POST OFFICE ADDRESS	STREET 251 Sherwood Road	CITY Beaconsfield	STATE OR COUNTRY Quebec	ZIP CODE H9W 2H4
		SIGNATURE OF INVENTOR 201 		DATE September 21, 2004	
2 0 2	FULL NAME OF INVENTOR	LAST NAME Turcotte	FIRST NAME Carl	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Montreal	STATE OR FOREIGN COUNTRY Canada	COUNTRY OF CITIZENSHIP Canada	
	POST OFFICE ADDRESS	STREET 6406 Iberville	CITY Montreal	STATE OR COUNTRY Quebec	ZIP CODE H2G 2C4
		SIGNATURE OF INVENTOR 202 		DATE September 21, 2004	